Cytometer Performance Report

Cytometer:	FACSCantoII	User:	Administrator
Cytometer Name:	FACSCantoII	Institution:	N/A
Serial Number:	V33896201821	Software:	BD FACSDiva 8.0.2
Input Device:	Carousel	Date:	06/28/2019 10:42 AM
Tube Loaded Manually:	Yes	Cytometer Baseline:	04/24/2019 12:37 PM
Cytometer Configuration:	Euroflow 3-laser, 8-color (4-2-2)	P/F:	Pass

Setup Beads

Bead Product:	CST Setup Beads	Part #:	910859
Lot ID:	80996	Expiration Date:	04/30/2020
Bead Lot Information:	Available		

Detector Settings

Laser	Detector	Parameter	Target Value	Actual Target Value	% Difference Target Value	Bright Bead % Robust CV	Mid Bead Median Channel	Mid Bead % Robust CV
Blue	FSC	FSC	125000	124354	-1	2.45	124444	2.41
Blue	F	SSC	125000	124323	-1	1.74	125141	1.71
Blue	E	FITC	16122	15679	-3	2.94	340	19.59
Blue	D	PE	29316	28924	-2	2.30	631	14.09
Blue	B	PerCP-Cy5-5	42590	42166	-1	3.79	1137	19.56
Blue	A	PE-Cy7	33146	32696	-2	6.08	630	39.18
Red	C	APC	45473	44758	-2	2.55	1585	12.11
Red	A	APC-Cy7	31961	30973	-4	2.53	816	12.07
Violet	B	V450	7914	7580	-5	4.29	424	13.26
Violet	A	V500	29769	28612	-4	4.06	669	10.57

Detector Settings (Continued)

Laser	Detector	Parameter	Dim Bead Median Channel	Dim Bead % Robust CV	PMTV	Δ PMTV	Qr	Br	P/F
Blue	FSC	FSC	20924	3.93	602	2	N/A	N/A	Pass
Blue	F	SSC	56358	1.45	545	7	N/A	N/A	Pass
Blue	E	FITC	63	63.54	537	0	0.0218	179	Pass
Blue	D	PE	132	48.86	539	2	0.1959	332	Pass
Blue	B	PerCP-Cy5-5	208	49.06	639	1	0.0100	95	Pass
Blue	A	PE-Cy7	118	95.71	692	1	0.0117	13	Pass
Red	C	APC	376	25.72	588	9	0.0249	203	Pass
Red	A	APC-Cy7	180	29.26	564	8	0.0056	1154	Pass
Violet	B	V450	65	61.96	461	1	0.0554	2527	Pass
Violet	A	V500	100	35.99	473	1	0.0237	1199	Pass

Specifications

PMTV Delta from baseline:	50 (BD)
Violet Laser Primary Channel Bright Bead %Robust CV:	6.00 (Recommended)
Blue Laser Primary Channel Bright Bead %Robust CV:	6.00 (Recommended)
Red Laser Primary Channel Bright Bead %Robust CV:	6.00 (Recommended)

Cytometer Performance Report

Cytometer:	FACSCantoII	User:	Administrator
Cytometer Name:	FACSCantoII	Institution:	N/A
Serial Number:	V33896201821	Software:	BD FACSDiva 8.0.2
Input Device:	Carousel	Date:	06/28/2019 10:42 AM
Tube Loaded Manually:	Yes	Cytometer Baseline:	04/24/2019 12:37 PM
Cytometer Configuration:	Euroflow 3-laser, 8-color (4-2-2)	P/F:	Pass

Laser Settings

Laser	Power (mW)	Power Spec. (mW)	Current (mA)	Current Guidelines (mA)	Delay (Trigger on FSC)	Delay (Trigger on Fluorescence)	Area Scaling Factor
Violet	59.55	47.98 - 71.98	N/A	N/A	-32.54	-32.22	0.97
Blue	20.37	16.27 - 24.41	1.27	0.99 - 1.49	0.00	0.00	1.50
Red	15.78	13.60 - 20.40	N/A	N/A	29.85	30.21	1.19

Window Extension: 7.00
FSC Area Scaling Factor: 0.90

Threshold

Threshold (FSC): 9774

Fluidics

FACSFlow Pressure: 3.90 Sample Pressure: 3.60
Spec.: 3.80 - 4.00

Comments